

## CLAIMS

1. Satellite system for shallow diving in open sea  
characterized by comprehending a main vessel (2)  
provided with a dynamic positioning system, and with the  
5 equipments to monitor the diving operation, to give  
assistance and orientation to the divers; the main vessel (2)  
operates with support vessels (3), connected by means of  
an umbilical line (5) and together they set the divers (6)  
and the support team at the work location (4), at a safe  
10 distance from the main vessel (2) propulsion system.
2. Satellite system for shallow diving in open sea according to  
claim 1, characterized by the main vessel (2) be provided  
with all equipments to diving monitoring and to give  
assistance and orientation to divers (6).
- 15 3. Satellite system for shallow diving in open sea according to  
claim 1, characterized by the main vessel (2) be used as  
base for diving work.
4. Satellite system for shallow diving in open sea according to  
claim 1, characterized by the diving boat (3) be connected  
20 to the main vessel (2) by supplying umbilical (5).
5. Satellite system for shallow diving in open sea according to  
claims 1 and 4, characterized by said diving boat (3)  
supporting diving operation from a point at the surface,  
above the desired work position (4).
- 25 6. Satellite system for shallow diving in open sea according to

claim 1, characterized by the umbilical line (5) to be positive buoyancy.

7. Satellite system for shallow diving in open sea according to claim 1, characterized by the umbilical line (5) be used for positioning the support vessel (3) relative to the main vessel (2).